Supplementary material

Plasma jet sputtering as an efficient method for the deposition of nickel and cobalt mixed oxides on stainless-steel meshes: application to VOC oxidation

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Table S1. Average atomic concentrations, determined by EDX, of components deposited on stainless steel meshes by plasma jet sputtering

Sample	C	O	Al	Si	Cr	Fe	Co	Ni	Ni correction[a]
Co_{15}	5.66	46.23			3.85	11.58	31.46	1.23	0
$NiCo14_{15}$	5.29	47.96	0.17	0.11	2.59	7.13	28.47	8.29	0.90
$NiCo11_{15}$	5.57	44.40	0.10	0.16	5.00	16.21	12.85	15.71	0.88
$NiCo41_{15}$	5.31	46.03	0.08	0.15	4.07	12.64	14.66	17.05	0.92
Ni_{15}	5.98	43.35	0.12	0.18	3.59	11.40	6.83	28.54	0.95
$NiCo11_{15}$*	9.44	41.71			4.10	13.11	0.25	31.39	0.95
Co_{80}	5.64	49.62			1.28	3.30	19.55	20.61	0.98
$NiCo14_{80}$	5.76	43.74			5.04	15.83	28.10	1.54	0
$NiCo11_{80}$	4.80	43.93	0.23	0.13	4.55	14.42	24.04	7.90	0.80
$NiCo41_{80}$	5.26	48.34	0.15	0.05	2.75	7.94	16.72	18.78	0.95
Ni_{80}	5.43	48.88	0.09	0.10	2.27	6.40	17.58	19.25	0.96
$NiCo11_{160}$	6.12	46.14	0.13	0.13	2.69	8.46	7.20	29.12	0.96
Co_{15}	8.06	37.84			5.72	18.79	0.26	29.34	0.93
$NiCo14_{15}$	5.69	48.99			1.82	4.75	19.16	19.59	0.97

[a] Ni correction ratio determining portion of Ni originating from the NiCo catalyst

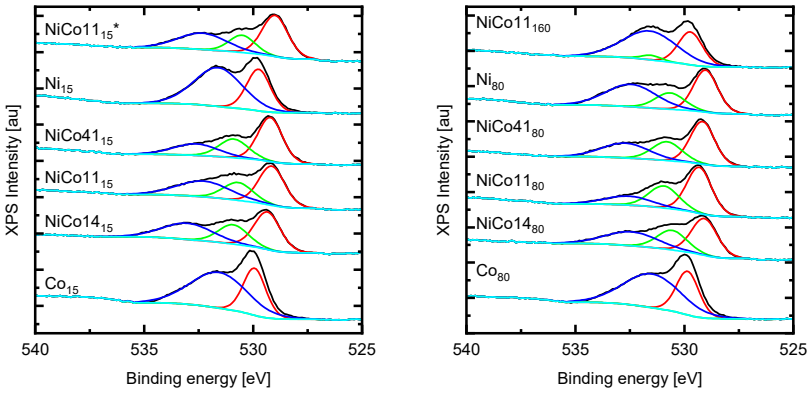

Figure S1. Deconvolution of O 1s spectra of the investigated samples.